Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 21 Dec 2023 until 23:59 on Friday 22 Dec 2023

Forecast Issued on Wednesday 20 Dec 2023 at 14:10

Confidence: High confidence for unsettled and windy conditions through the coming days. Lower for rain or snow details.

Headline for Thursday 21 Dec 2023: Very windy with severe conditions on the tops. Bright intervals and showers.

Mountain weather hazards on Thursday 21 Dec 2023

Blizzards
No Likelihood

Gales
High Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Low Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
Low Likelihood

Poor visibility
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Heavy Rain	Heavy Rain	Light rain	Light rain showers	Light rain showers	Light rain showers (night)	Light rain showers (night)
Precipitation probability							
70%	70%	70%	50%	30%	30%	30%	30%

Forecast for Thursday 21 Dec 2023

Weather: Cloudy overnight with spells of rain, clearing around dawn. Thursday will see a mixture of bright spells and a few showers. The very strong winds will be the main feature of the weather.

Chance of cloud-free hill tops above 600m: 10% overnight becoming 70% soon after dawn.

Low cloud and visibility: Extensive cloud and fog above 400m overnight, lifting and breaking soon after dawn. Mainly good visibility during the day but occasionally poor in showers with patchy cloud down to 500m.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 21 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	33/44 W	38/50 W	47/62 W	47/63 W	44/60 W	40/55 W	34/48 W	32/45 W	31/44 W
300	26/38 W	29/41 W	36/52 W	36/52 W	35/51 W	32/46 W	26/39 W	24/36 W	24/37 W
Valley	18/36 W	20/41 W	26/52 W	25/50 W	25/50 W	23/46 W	19/39 W	18/37 W	18/37 W

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/0	7/1	7/-0	6/-1	6/-2	5/-2	4/-3	4/-3	4/-3
300	8/3	8/4	8/3	8/3	8/3	8/2	6/1	6/1	6/1
Valley	9/5	9/5	9/4	9/5	9/4	8/4	7/2	7/2	7/3
Freezing Level*	1600m	2200m	2200m	1500m	1300m	1200m	1100m	1100m	1100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very windy conditions with gusts of 50 to 70mph. Progress severely impeded on the tops.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 20 Dec 2023	4.9mm	15.9mm	17.3mm

Forecast for Friday 22 Dec 2023

Weather: Cloudy with outbreaks of rain, perhaps longer spells of rain for a few hours.

Maximum wind: West or Northwest 25 to 35mph, gusts 50mph.

Chance of cloud-free hill tops above 600m: 60%.

Low cloud and visibility: Occasional cloud and fog above 600m, but patchier in the east. Away from cloud, mainly good visibility but poor at times in rain.

Temperature: **Valleys:** Plus 7C rising to 10C.
At 600m: Plus 3C rising to 5C.
Freezing level: Above summits.

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